

Downloaded from <http://ajph.org/> on November 10, 2014

1

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101 TAGGCAATACGACACACATACAGCTGCTGCTGCTGCTGCTGCTG 150
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34 LeuGlyAspArgGlyLeuAspSerLeuCysProGlnGlyLysTyrVal 50
151 CACCTTCAAAATAATTCGATTTCCTGACCAAGTGGCCAAAGAACCA 200
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51 HisSerTyrAspAsnSerLeuCysThrLysCysHisLysGlyThr 67
201 GTTCTATTAATTAATGCTGTAACGCTGCTGCTGCTGCTGCTGCT 250
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67 LeuValAspAspCysThrGlyProGlyValGlyAspThrValCysArg 84
251 GTGACAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
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401 AATTATGACGCAAAAGCTTTTTCAGTGGCTGCTGCTGCTGCTGCT 450
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451 AATGGGATGGTGGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 500
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151 AsnGlyThrValThrLeuProCysLysGlnThrGlnAsnThrValCys 167
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648 GGTCTATTTCTTTGCTTTTGGCTTTTATGCTGCTGCTGCTGCTG 697
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217 ValTyrLeuLeuGlyLeuGlyCysLeuLeuArgPheLeuPheLeu 234
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244 MetCysAspTyrPheAsnArgProThrValTyrSerLeuLeuCys 250
748 AAATGGCACTCTCAAAAGACGGGAGCTTGAAGCACTACCTAAC 797
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798 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 841
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263 GlnLeuThrProAlaProSerProAlaPheSerProThrSerGlyPhe 280
842 CCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 891
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428 MetAsnLeuAlaGlyCysLeuGlnAsnIleLeuGlnAlaLeuArgAs 444
1333 GCC 1335
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445 Ala 445
seq_name: p1r2:154182
seq documentation block:
tumor necrosis factor receptor 2-related protein - human
C:Species: Homo sapiens (man)
C:Date: 24 May 1996 #sequence revision 21 May 1996 #text change 17 Mar 2000
C:Accession: U54182
R:Baens, M.; Chalfant, M.; Cassiman, J.J.; Van den Bergh, H.; Marynen, P.
Genomics 16, 214-218, 1993
A:Title: Construction and evaluation of a cDNA library of human 12p transcribed seq
A:Reference number: U54182, MIM:609979
A:Accession: U54182
A>Status: preliminary; translated from GH/EMBL/DBJ
A:Molecule type: mRNA
A:Residues: 1-435 <RES>
A:Cross references: GH:U54182, MIM:609979; PDB:AAA36757.1; PDB:q439762
C:Genetics:
A:Gene: GDN-LTRK
A:Cross references: GDB:1230195; MIM:609979
A:Map position: 12p13.3-12p13.1
C:Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology

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Quality: 290.00      Length: 507
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Percent Similarity: 42.998      Percent Identity: 26.233
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      :::::
216 euTyIVal..... 218
703 GCTTACCAACGGTGAAGTGAAGCTCTACCTCTCTCATTTGTTGGAAATC 752
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219 .....SC 219
753 GACAGCTGAAAAAGAGAGGGGAGCTTCAAGAGAACTACIATTAAGCCCTCG 802
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219 rAlnProGluPro.....ThrArgSerGlnProLeuA 230
803 CCCCACAAACCAACCTTCAGTCCACACACCCAGGCTTCACCCCAACCTGGGG 852
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249 sFgInGlnProGlyProSerGlnThrProSerIleLeuThrSerLeucUc 246
853 TTCAGTGGCGTG 864
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247 SerThrProIle 250

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seq_documentation_block:
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  C:Species: Mus musculus (house mouse)
  C:Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 23 Jul-1999
  C:Accession: U48854
  R:Powell, E.E.; Wicker, L.S.; Peterson, L.B.; Todd, J.A.
  Mamm. Genome 5, 726-727, 1994
  A:Title: Allelic variation of the type 2 tumor necrosis factor receptor gene.
  A:Reference number: U48854; MUID:95178848
  A:Accession: U48854
  A:Status: preliminary, translated from GH/EMBL/DBJ
  A:Molecule type: mRNA
  A:Residues: 1-459 <RES>
  A:Cross-references: EMBL:X76401; NID:q438840; PUD:CAA53901.1; PID:q434831
  C:Superfamily: tumor necrosis factor receptor type 2, NGF receptor repeat homology
  F:151-188/domain; NGF receptor repeat homology <NCP>

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180  CAAGTGTGCACAAAGCACTTACTGTGACAAATGACTGCCAGCGCCGGGCG 229
    ||||| ||| ||||| ||||| ||||| ||||| ||||| |||||
41  alyScysIrrChroGlyGluArgValIlyHisIleCys...AsnIysThr 57
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57  etAspThrValCysAlaAspCysGluAlaSerMetIlyrThrGlnValTrp 73
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74  AsnGlnThrArgThrCysLeuSerCysSerSerCysSerThrAsp... 89
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327  GGGTCAAGTTCAGAGATCTCTTCTCCACAGTACCGACACCGTGTGTG 376
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90  GlnValGlnThrArgAlaCysThrIysGlnGlnAsnArgValCysA 105
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277  GTCACACAGCAACACATAC...CGGCATTATGTGAAATGAA 414
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[illegible]

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 NAlternate names: 75kDa human neocytoskeleton receptor, INF receptor type 2
 C.Species: Homo Sapiens (man)
 C.Date: 10-Sep-1999
 C.Revision: 10-Sep-1999 #text change 08-Dec-2000
 C.Accession: AF024767, AF024768, AF024769, AF024770, AF024771, AF024772, AF024773, AF024774, AF024775, AF024776, AF024777, AF024778, AF024779, AF024780, AF024781, AF024782, AF024783, AF024784, AF024785, AF024786, AF024787, AF024788, AF024789, AF024790, AF024791, AF024792, AF024793, AF024794, AF024795, AF024796, AF024797, AF024798, AF024799, AF024800, AF024801, AF024802, AF024803, AF024804, AF024805, AF024806, AF024807, AF024808, AF024809, AF024810, AF024811, AF024812, AF024813, AF024814, AF024815, AF024816, AF024817, AF024818, AF024819, AF024820, AF024821, AF024822, AF024823, AF024824, AF024825, AF024826, AF024827, AF024828, AF024829, AF024830, AF024831, AF024832, AF024833, AF024834, AF024835, AF024836, AF024837, AF024838, AF024839, AF024840, AF024841, AF024842, AF024843, AF024844, AF024845, AF024846, AF024847, AF024848, AF024849, AF024850, AF024851, AF024852, AF024853, AF024854, AF024855, AF024856, AF024857, AF024858, AF024859, AF024860, AF024861, AF024862, AF024863, AF024864, AF024865, AF024866, AF024867, AF024868, AF024869, AF024870, AF024871, AF024872, AF024873, AF024874, AF024875, AF024876, AF024877, AF024878, AF024879, AF024880, AF024881, AF024882, AF024883, AF024884, AF024885, AF024886, AF024887, AF024888, AF024889, AF024890, AF024891, AF024892, AF024893, AF024894, AF024895, AF024896, AF024897, AF024898, AF024899, AF024900, AF024901, AF024902, AF024903, AF024904, AF024905, AF024906, AF024907, AF024908, AF024909, AF024910, AF024911, AF024912, AF024913, AF024914, AF024915, AF024916, AF024917, AF024918, AF024919, AF024920, AF024921, AF024922, AF024923, AF024924, AF024925, AF024926, AF024927, AF024928, AF024929, AF024930, AF024931, AF024932, AF024933, AF024934, AF024935, AF024936, AF024937, AF024938, AF024939, AF024940, AF024941, AF024942, AF024943, AF024944, AF024945, AF024946, AF024947, AF024948, AF024949, AF024950, AF024951, AF024952, AF024953, AF024954, AF024955, AF024956, AF024957, AF024958, AF024959, AF024960, AF024961, AF024962, AF024963, AF024964, AF024965, AF024966, AF024967, AF024968, AF024969, AF024970, AF024971, AF024972, AF024973, AF024974, AF024975, AF024976, AF024977, AF024978, AF024979, AF024980, AF024981, AF024982, AF024983, AF024984, AF024985, AF024986, AF024987, AF024988, AF024989, AF024990, AF024991, AF024992, AF024993, AF024994, AF024995, AF024996, AF024997, AF024998, AF024999, AF025000, AF025001, AF025002, AF025003, AF025004, AF025005, AF025006, AF025007, AF025008, AF025009, AF025010, AF025011, AF025012, AF025013, AF025014, AF025015, AF025016, AF025017, AF025018, AF025019, AF025020, AF025021, AF025022, AF025023, AF025024, AF025025, AF025026, AF025027, AF025028, AF025029, AF025030, AF025031, AF025032, AF025033, AF025034, AF025035, AF025036, AF025037, AF025038, AF025039, AF025040, AF025041, AF025042, AF025043, AF025044, AF025045, AF025046, AF025047, AF025048, AF025049, AF025050, AF025051, AF025052, AF025053, AF025054, AF025055, AF025056, AF025057, AF025058, AF025059, AF025060, AF025061, AF025062, AF025063, AF025064, AF025065, AF025066, AF025067, AF025068, AF025069, AF025070, AF025071, AF025072, AF025073, AF025074, AF025075, AF025076, AF025077, AF025078, AF025079, AF025080, AF025081, AF025082, AF025083, AF025084, AF025085, AF025086, AF025087, AF025088, AF025089, AF025090, AF025091, AF025092, AF025093, AF025094, AF025095, AF025096, AF025097, AF025098, AF025099, AF025100, AF025101, AF025102, AF025103, AF025104, AF025105, AF025106, AF025107, AF025108, AF025109, AF025110, AF025111, AF025112, AF025113, AF025114, AF025115, AF025116, AF025117, AF025118, AF025119, AF025120, AF025121, AF025122, AF025123, AF025124, AF025125, AF025126, AF025127, AF025128, AF025129, AF025130, AF025131, AF025132, AF025133, AF025134, AF025135, AF025136, AF025137, AF025138, AF025139, AF025140, AF025141, AF025142, AF025143, AF025144, AF025145, AF025146, AF025147, AF025148, AF025149, AF025150, AF025151, AF025152, AF025153, AF025154, AF025155, AF025156, AF025157, AF025158, AF025159, AF025160, AF025161, AF025162, AF025163, AF025164, AF025165, AF025166, AF025167, AF025168, AF025169, AF025170, AF025171, AF025172, AF025173, AF025174, AF025175, AF025176, AF025177, AF025178, AF025179, AF025180, AF025181, AF025182, AF025183, AF025184, AF025185, AF025186, AF025187, AF025188, AF025189, AF025190, AF025191, AF025192, AF025193, AF025194, AF025195, AF025196, AF025197, AF025198, AF025199, AF025200, AF025201, AF025202, AF025203, AF025204, AF025205, AF025206, AF025207, AF025208, AF025209, AF025210, AF025211, AF025212, AF025213, AF025214, AF025215, AF025216, AF025217, AF025218, AF025219, AF025220, AF025221, AF025222, AF025223, AF025224, AF025225, AF025226, AF025227, AF025228, AF025229, AF025230, AF025231, AF025232, AF025233, AF025234, AF025235, AF025236, AF025237, AF025238, AF025239, AF025240, AF025241, AF025242, AF025243, AF025244, AF025245, AF025246, AF025247, AF025248, AF025249, AF025250, AF025251, AF025252, AF025253, AF025254, AF025255, AF025256, AF025257, AF025258, AF025259, AF025260, AF025261, AF025262, AF025263, AF0

A:Title: A receptor for tumor necrosis factor defines an unusual family of cellular and
 A:Reference number: A35356; MUID:90260639
 A:Accession: A35356
 A:Status: preliminary
 A:Molecule type: mRNA
 A:Residues: 1-461 <SM1>
 A:Cross-references: GB:M33215; NID:q189185; PIDN:AAA59929.1; PID:q189186
 R:Kobayashi, M., Nakata, S., Schwart, P. E., King, M.W., Hatt, K.K., Squires,
 Proc. Natl. Acad. Sci. U.S.A. 87, 8331-8335, 1990
 A:Title: A second tumor necrosis factor receptor gene product can shed a naturally occur-
 A:Reference number: A36475; MUID:91045991
 A:Accession: A36475
 A:Status: preliminary
 A:Molecule type: mRNA
 A:Residues: 1-195, 197-461 <K05>
 A:Cross-references: GB:M55994; GB:M48549; NID:q339757; PIDN:AAA36755.1; PID:q339758
 R:Dembic, Z., Loetscher, H., Gabler, G., Pan, Y.C., Lamm, H.W., Geulz, R., Brockhaus, M.,
 Cytokine 2, 231-237, 1990
 A:Title: Two human TNF receptors have similar extracellular, but distinct intracellular,
 A:Reference number: A48416; MUID:91370690
 A:Accession: A48416
 A:Status: preliminary
 A:Molecule type: mRNA; protein
 A:Residues: 23-461 <DEM>
 A:Cross-references: GB:M33648; NID:q33648; PIDN:AAH0824.1; PID:q33649
 A:Note: sequence extracted from NCI backbone (NCBI:63368, NCI:63371)
 R:Heiler, P. A., Song, K., Quasch, M.A., Fischer, W.H., Chang, D., Kingold, G.M.
 Proc. Natl. Acad. Sci. U.S.A. 87, 6151-6155, 1990
 A:Title: Complementary DNA cloning of a receptor for tumor necrosis factor and demon-
 A:Reference number: A36007; MUID:90349572
 A:Accession: A36007
 A:Status: preliminary
 A:Molecule type: mRNA
 A:Residues: 116-140, 197-362, 364-461 <HEL>
 A:Cross-references: GB:M3657; NID:q339751; PIDN:AAA63262.1; PID:q339752
 R:Loetscher, H., Schliesser, E.J., Lamm, H.W., Pan, Y.C.F., Lesslauer, W., Brockhaus, M.,
 J. Biol. Chem. 265, 20131-20138, 1990
 A:Title: Purification and partial amino acid sequence analysis of two distinct tumor nec-
 A:Reference number: A3666; MUID:q1056048
 A:Accession: A3666
 A:Status: preliminary
 A:Molecule type: protein
 A:Residues: 23-40; 65-66; 136-141; 400-406 <LOS>
 R:Engelmann, H., Novick, D., Wallach, D.,
 J. Biol. Chem. 265, 1531-1536, 1990
 A:Title: Two tumor necrosis factor-binding proteins purified from human urine. Evidence
 A:Reference number: A35010; MUID:90110215
 A:Accession: A35010
 A:Status: preliminary
 A:Molecule type: protein
 A:Residues: 27-31 <ENG>
 R:Kühnert, P., Kemper, O., Wallach, D.,
 Gene 150, 381-386, 1994
 A:Title: Cloning, sequencing and partial functional characterization of the 5' region of
 A:Reference number: 138094; MUID:95121944
 A:Accession: 138094
 A:Status: preliminary
 A:Molecule type: DNA
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 C:Keywords: duplication; glycoprotein; receptor; transmembrane protein
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 F:78-119/Domain: NGF receptor repeat homology <NC2>
 F:120-162/Domain: NGF receptor repeat homology <NC3>

F:164-291/Domain: NGF receptor repeat homology <NC4>
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Align seq 1/1 to: A35356 from: 1 to: 461

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190 LePro... 191
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914 CCAATTTCGGCTTCGAGTACAGAGAGTGGTAAAGAGGTAACAGAGGGCT 963
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1195 GAGCAATATATATATATATATATATATATATATATATATATATATAT 1244
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1245 GATATATATATATATATATATATATATATATATATATATATATATAT 1294
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seq_name: pirl:G0V2ML

seq_documentation_block:

12 Protein : myxoma virus (strain Lausanne)

C:Species: myxoma virus

C:Date: 31 Dec 1992 #sequence_revision 31-Dec-1992 #text_change 18 Jun 1999

C:Accession: A40566

R:Upton, C.; Macen, J.L.; Schreiber, M.; McLadden, G.

Virology 184, 370-382, 1991

A:Title: Myxoma virus expresses a secreted protein with homology to the tumor necrosis f

A:Reference number: A40566; MIMD:91435768

A:Molecule type: DNA

A:Residues: 1-326 <FT>

A:Cross-references: GB:M96181; GB:M47926; NID:q12259; PID:AAA4532.1; PID:q22310

C:Superfamily: myxoma virus 12 protein, NCF receptor repeat homology

C:Keywords: glycoprotein

F:64-105, 64-107 NCF receptor repeat homology N22

F:106-147/Domain: NCF receptor repeat homology <N63>

F:66,181,205,218/Binding site, carbohydrate (Asn) (covalent) #status predicted

alignment_scores:

Quality: 200.00 Length: 240

Ratio: 1.695 Gaps: 10

Percent Similarity: 49.17 Percent identity: 25.833

alignment_block:

US-09-525-998a-1 x G0V2ML

Align seq 1/1 to: G0V2ML from: 1 to: 326

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90 GGTCCCTCAGCTACAGGACAGGACACAGACATACGCTGCTGGCCGCAAA 149
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seq_name: p413:M0606

seq_documentation_block:

nerve growth factor receptor, low affinity precursor - chicken

N:Affiliate name: NCF receptor

C:Species: Gallus gallus (chicken)

C:Date: 15 Sep 1999 #sequence_revision 15-Sep-1999 #text_change 10 Sep 1999

C:Accession: JN0006; A60504
 R:Larac, T.H.; Weiskamp, G.; Helder, J.C.; Padoke, M.J.; Misko, T.P.; Shooter, E.M.; Reid
 Neuron 2, 1123-1134, 1994
 A:Title: Structure and developmental expression of the nerve growth factor receptor in d
 A:Reference number: JN0006; MUID:90166579
 A:Accession: JN0006
 A:Molecule type: mRNA
 A:Residues: 1-416 <LAR>
 A:Experimental source: embryonic chick brain
 R:Heuer, J.G.; Fatemie-Nainie, S.; Wheeler, E.F.; Bothwell, M.
 Dev. Biol. 137, 287-304, 1990
 A:Title: Structure and developmental expression of the chicken NGF receptor.
 A:Reference number: A60504; MUID:90152140
 A:Accession: A60504
 A:Status: preliminary, not compared with conceptual translation
 A:Molecule type: mRNA
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